SESSION 1:

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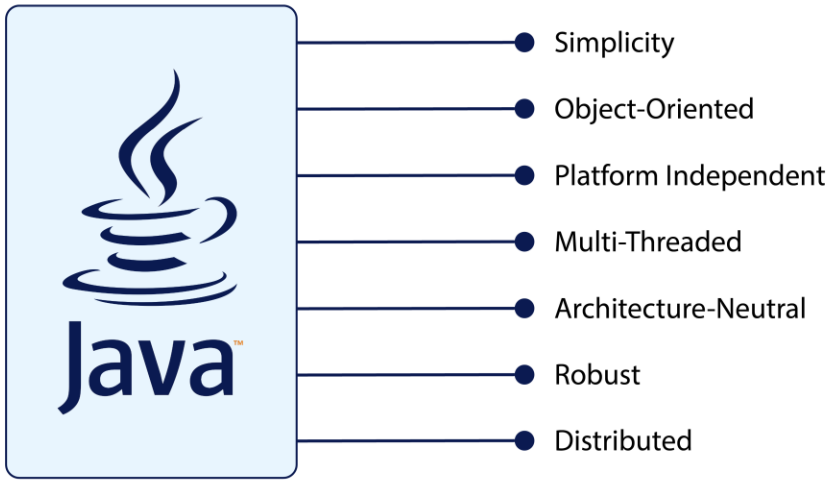
Basic Introduction To Java

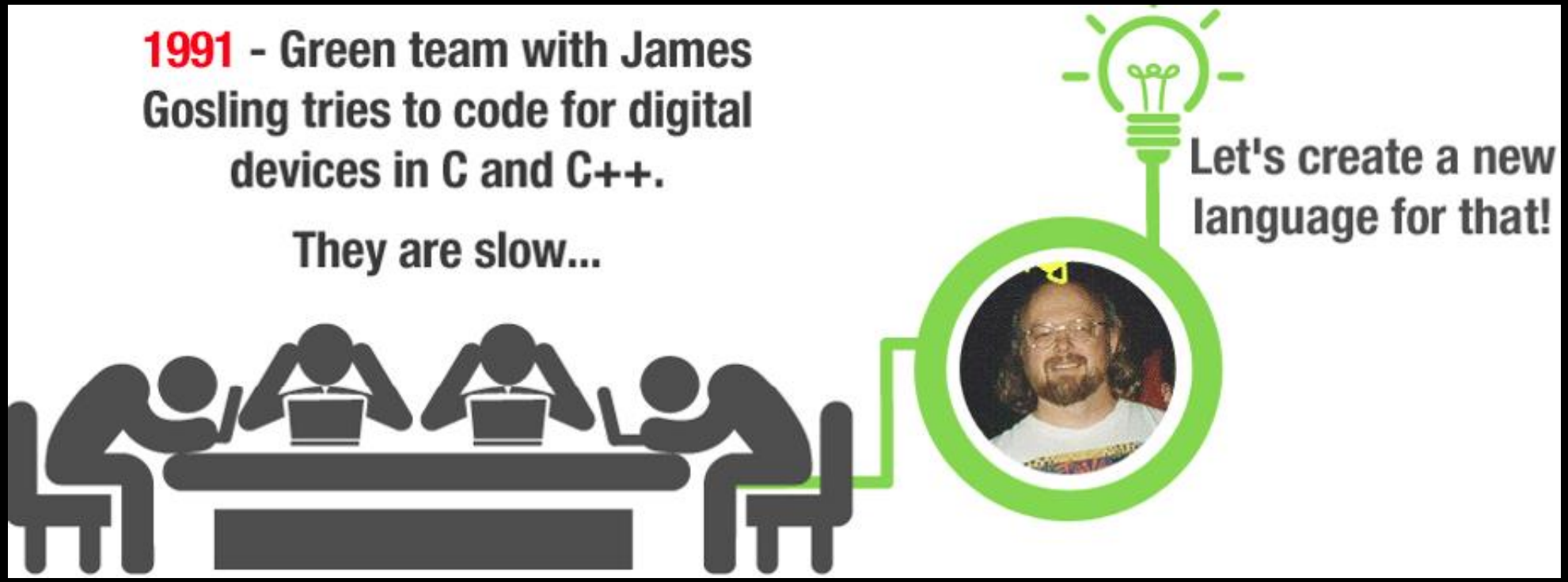
Agenda

- Introduction to Java.
- History of Java.
- Why Java?
- Introduction to code editor like VS Code or Eclipse.
- Online Compilers
- Educational Platform like GFG, LeetCode.
- Introduction to GitHub.
- Our first program

WHAT IS JAVA?


Java
Simplicity
Object-Oriented
Platform Independent
Multi-Threaded
Architecture-Neutral
Robust
Distributed

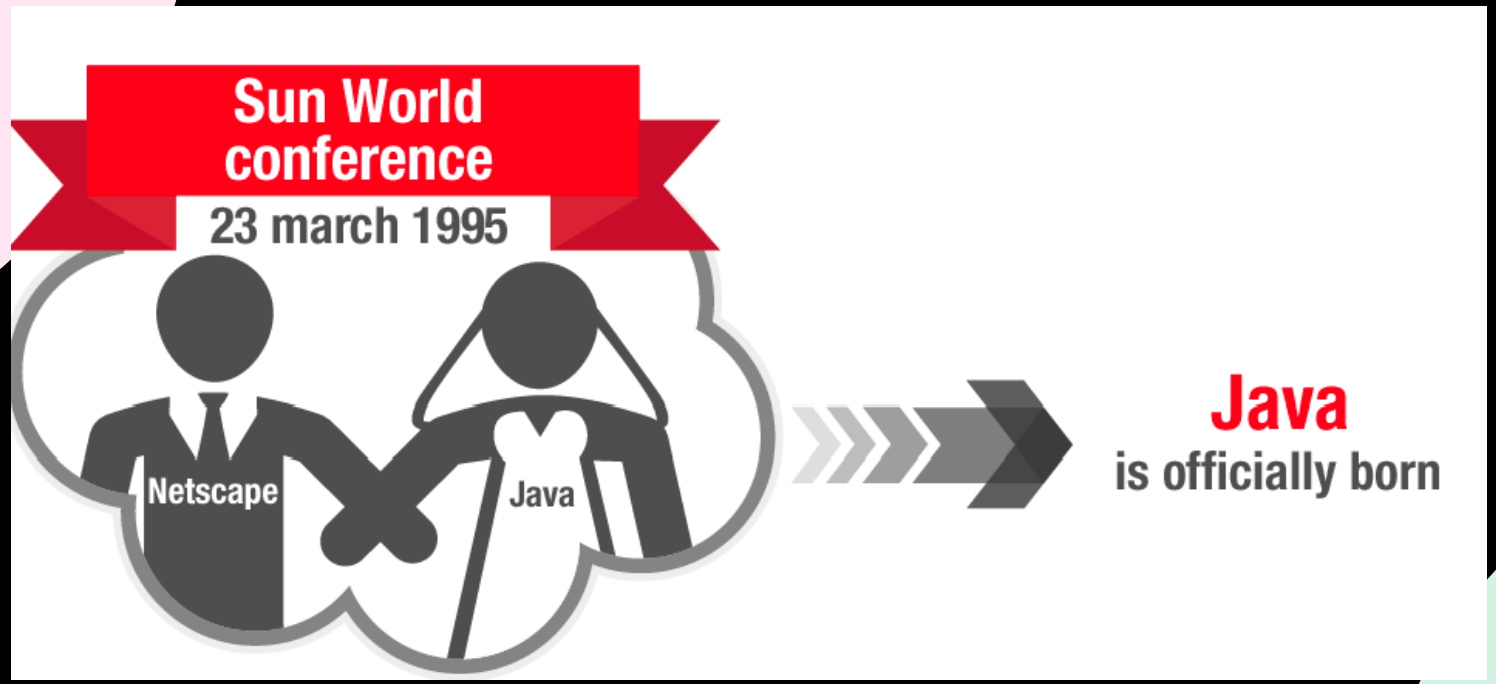
History of Java?



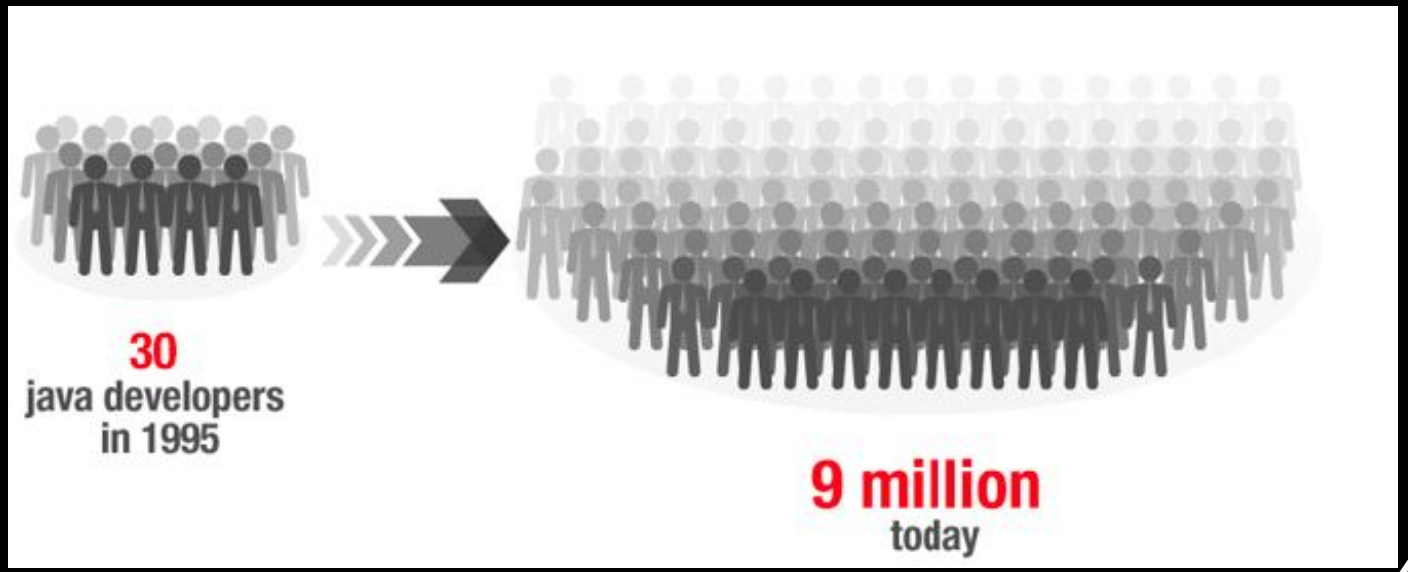
1992
Launch OAK
Oak

oak.. no..

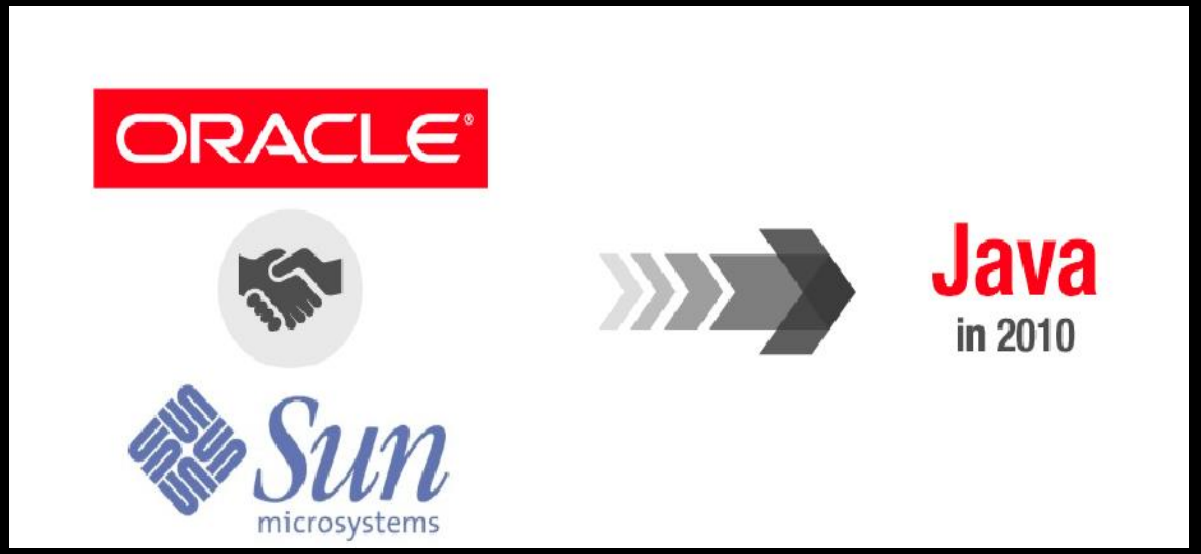
Java

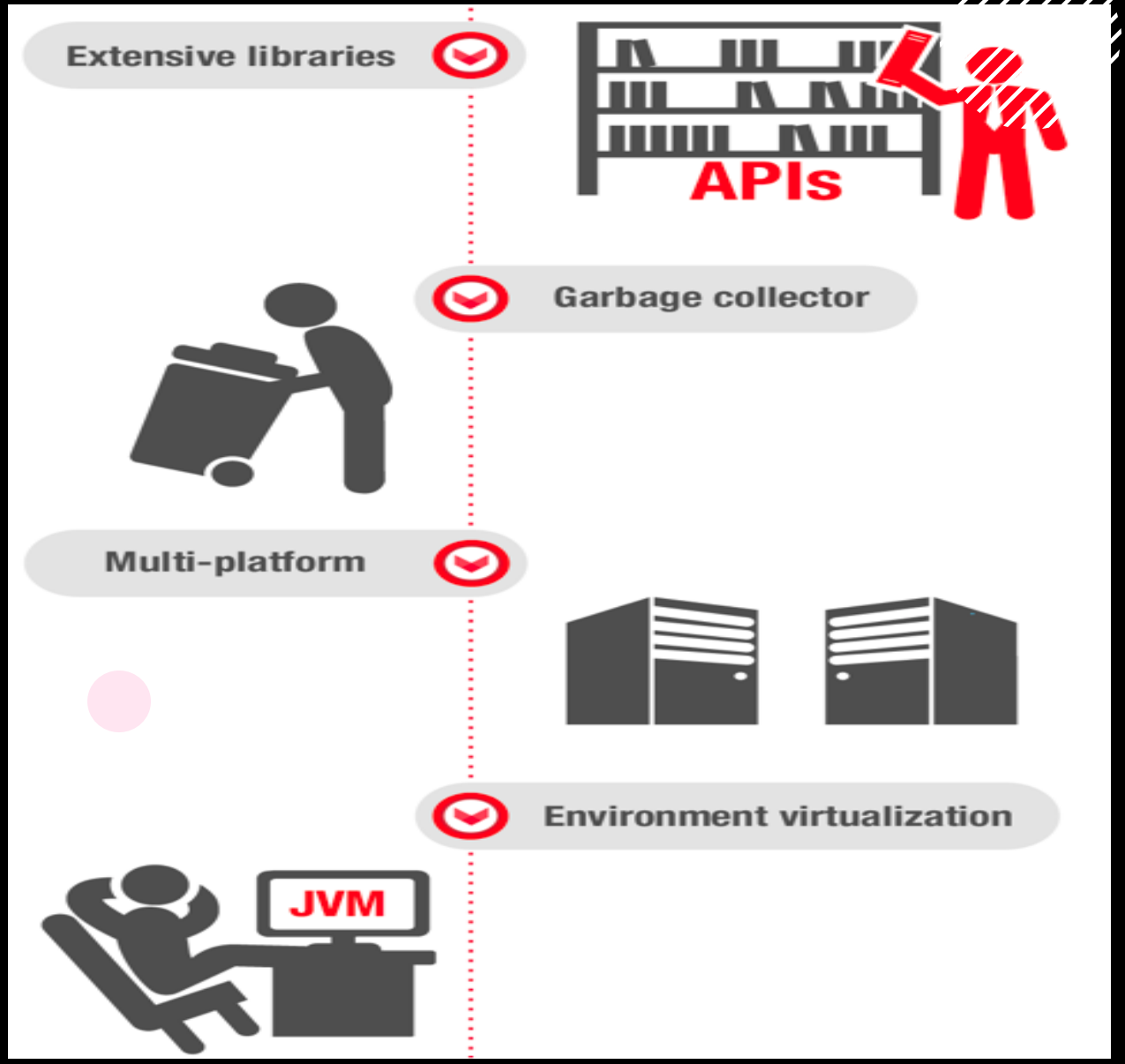

Sun World
conference
23 march 1995
Netscape
Java
Java
is officially born

Java
is free
open source


30
java developers
in 1995
9 million
today

What's so great about Java?





Number 1
programming language
by developers community

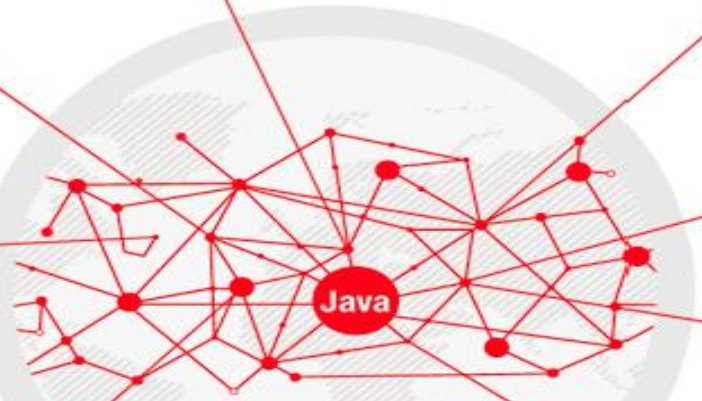
TIOBE SOFTWARE

9 million
Java developers

5 billion
Java cards in use

3 billion
mobile phones run Java

eXo
The Enterprise Social Platform



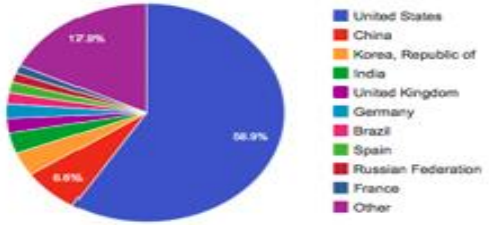
Today, Java is everywhere

Number 1
business applications langage

97%
of Enterprise Desktops Run Java

Language of choice
in all industries:

JAVA
Countries Distribution



Why Java?

- Output of compiler in other in OS like
  - ❑Windows-----O/P--------(.exe)
  - ❑Linux----------O/P--------(.out)
  - ❑MacOS------O/P---------(.app)

- The output of Java compiler is not executable code, it is a bytecode.

Introduction to Code Editor

- Installation
- Extension
- Shortcut key

ADVANTAGES OF CODE EDITOR

EDIT

Highlighting, Bracket-matching, Auto-indentation

BUILD

Box-selection, Snippets, Shortcuts, Easy Customization

DEBUG

Interactive Debugger, Inspect Variables, View Call Stacks

SUPPORTS

Java,JSX/React, HTML, CSS, SCSS, Less, and JSON

INBUILT EXTENSIONS

Authors Plug, (Ctrl+shift+x).

Here are some example of Code Editors

- VS Code
- Eclipse
- LeetCode
- GeeksForGeeks
- Hacker Rank
- CodeChef

Task you have to perform

1

Install VS Code

2

Make account on Git

3

Create account on LeetCode or GFG

RIDDLE PUZZLE-1

As a developer, you usually get mad at me because I complain a lot, although I'm usually right. What I am?

RIDDLE PUZZLE-2

I'm a language for everything yet I have no real identity of my own. Good luck trying to compile me. What am I?

Thank You